

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-155758

(43)Date of publication of application : 20.06.1995

(51)Int.Cl.

C02F 1/44

B01D 65/02

B01D 69/08

C02F 3/12

(21)Application number : 05-306643

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(22)Date of filing : 07.12.1993

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(54) WASTE WATER TREATING DEVICE

(57)Abstract:

PURPOSE: To obtain the discharged water quality always stabilized irrespective of change in flow rate of raw water by immersing a membrane separator attracted by a suction pump in a reaction tank, arranging a diffuser below it, and also inserting a membrane separator in an overflow line.

CONSTITUTION: Waste water is allowed to flow from a waste water inflow port 8 into an aerator 1 equipped with a diffuser 7 at the lower part, where organic materials, etc., turning into BOD components and COD components and decomposed by decomposing force of active sludge. After a suction pump 6 is operated to filter the treated water through a membrane module 4, it is sent to a disinfecting tank 2. At this time, when the waste water of the set quantity or above is allowed to flow into the tank 2 from the waste water inflow port 8 caused by any reason, the treated water is allowed to flow out from an overflow line 3. At this time, the treated water is allowed to flow out through a membrane module 5 being a membrane separator inserted in the overflow line. In this way, the discharged water quality always stabilized irrespective of change in flow rate of waste water is obtained.

